

**Flood Control Project Maintenance
Levee Inspections**

Fall 2015 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

ST0007	Overall LMA Rating	Total LMA Miles						
Sacramento Maintenance Yard Putah Creek	M	16.33						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.75	0.11	1.19	7.29%				
Trim / Thin Trees	0.08		0.08	0.49%				
Encroachments	0.18		0.18	1.10%	0.57	1.57		
Animal Control	0.25		0.25	1.53%				
<i>Supplemental</i>								
2015 USACE Erosion Survey, DRAFT	0.13		0.13	0.80%				
DWR UCIP Field Study					0.21			
<i>LMA Totals:</i>	1.39	0.11	1.83	11.21%	0.78	1.57	0.00	0.00

Unit No. 01 Putah Creek or North Levee LB	Overall Unit Rating	Total Unit Miles						
ST0007	A	8.79						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.04		0.04	0.46%				
Encroachments					0.52	1.43		
Animal Control	0.03		0.03	0.34%				
<i>Supplemental</i>								
2015 USACE Erosion Survey, DRAFT	0.13		0.13	1.48%				
DWR UCIP Field Study					0.10			
<i>Unit Totals:</i>	0.20	0.00	0.20	2.28%	0.62	1.43	0.00	0.00

Unit No. 02 Putah Creek or South Levee RB	Overall Unit Rating	Total Unit Miles						
ST0007	U	7.55						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.71	0.11	1.15	15.24%				
Trim / Thin Trees	0.08		0.08	1.06%				
Encroachments	0.18		0.18	2.39%	0.05	0.14		
Animal Control	0.22		0.22	2.92%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.11			
<i>Unit Totals:</i>	1.19	0.11	1.63	21.60%	0.16	0.14	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2015 Levee Inspection Results

Sacramento Maintenance Yard Putah Creek

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			M	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Sacramento Maintenance Yard Putah Creek

Waterway			Bank	Unit Miles
Unit No. 01 Putah Creek or North Levee			Left	8.79
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	04/24/2015 - 04/24/2015		09/30/2015 - 09/30/2015	
DWR Inspector	Herman Phillips		Herman Phillips	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	09/30/2015 09/30/2015	Herman Phillips

LM Start		Rating **	A	Issue No.	25		
LM End		Issue Type +	Ma	Location *	WS		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Operations & Maintenance Manuals				o		o
					o		o
DWR ID	DWR_ST0007_01_s _ 2013_25						
Action/Comments							
Inspector Comments: The Sacramento Maintenance Yard has a copy of the O&M Manual.							

No Photos

LM Start		Rating **	A	Issue No.	26	
LM End		Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Emergency Supplies & Equipment				o	
					o	
DWR ID	DWR_ST0007_01_s _ 2013_26					
Action/Comments						
Inspector Comments: The Sacramento Maintenance Yard has adequate emergency supplies stored.						

No Photos

LM Start		Rating **	A	Issue No.	27		
LM End		Issue Type +	Ma	Location *	WS		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Flood Preparedness & Training				o		o
					o		o
DWR ID	DWR_ST0007_01_s _ 2013_27						
Action/Comments							
Inspector Comments: The Sacramento Maintenance Yard trains yearly for flood fighting.							

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	09/30/2015 09/30/2015	Herman Phillips

LM Start	0.00	Rating **	A	Issue No.	22
LM End	8.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.523630 °	38.523227 °
				-121.631460 °	-121.780180 °
DWR ID	DWR_ST0007_01_f_2015_22				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Maintaining Agency has burned and dragged the landside slope.					

Photo 1 of 1 : FA_2015_ST0007_282_22_20151006_00006.jpg



Putah Creek looking downstream from levee mile 0.00 landside levee slope.

LM Start	0.00	Rating **	A	Issue No.	24
LM End	8.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.523630 °	38.523227 °
				-121.631460 °	-121.780180 °
DWR ID	DWR_ST0007_01_f_2015_24				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: The maintaining agency has both burned and dragged the waterside levee slope.					

Photo 1 of 1 : FA_2015_ST0007_282_24_20151006_00005.jpg



Putah Creek looking downstream from levee mile 0.00 waterside levee slope.

LM Start	0.04	Rating **	M	Issue No.	2
LM End	0.12	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.523119 °	38.521968 °
				-121.631356 °	-121.631519 °
DWR ID					
Action/Comments					
Inspector Comments: 2011 - Old cobble site is unraveling, likely causing the toe of the bank to become unstable. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: PUC_0-1_L]					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	09/30/2015 09/30/2015	Herman Phillips

LM Start	0.30	Rating **	M	Issue No.	28
LM End	0.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.520126 °	38.520009
				-121.633869 °	-121.634365
DWR ID	DWR_ST0007_01_f_2012_28				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	1.15	Rating **	M	Issue No.	44
LM End	1.15	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.517110 °	38.517110 °
				-121.648844 °	-121.648844 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:33403 DS_ID:489 EP_NO: 10262 FS_HLM: 1.173 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump is disconnected from pipe and could cause backflow at highwater event. Can't see size of pipe sleeved through 24-inch pipe. FIELD_STRUCT_DESC: 24-inch pipe through levee 12.5 feet below crown with concrete headwalls at both ends. A 18-inch pipe is sleeved through the 24-inch pipe with annular space sealed at both ends. (ABO No. 10262 - PG&E) PVC Sleeved December of 2007. FS Date: 04/10/2014					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	09/30/2015 09/30/2015	Herman Phillips

LM Start	1.48	Rating **	U	Issue No.	10
LM End	2.67	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.515322 °	38.517376 °
				-121.654387 °	-121.676054 °
DWR ID	DWR_ST0007_01_s_2012_10				
Action/Comments					
Ditch					
Inspector Comments: This agriculture ditch is owned by Dos Rios Farms. Ending at levee mile 2.72 landside.					

Photo 1 of 1 : FA_2015_ST0007_282_10_20151006_00004.jpg



Agriculture ditch within 10-foot of levee toe.

LM Start	2.13	Rating **	M	Issue No.	45
LM End	2.13	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.515739 °	38.515739 °
				-121.666432 °	-121.666432 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43033 DS_ID:491 EP_NO: 10262 FS_HLM: 2.174 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe has significant rust and exfoliation of metal showing at ends. Reccomend video inspection. FIELD_STRUCT_DESC: 24-inch pipe through levee 15.5 feet below crown. Slide gate on waterward end and concrete headwall on landward end. (ABO No. 10262 - Cowell) FS Date: 04/10/2014					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	09/30/2015 09/30/2015	Herman Phillips

LM Start	3.22	Rating **	M	Issue No.	46
LM End	3.22	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.519731 °	38.519731 °
				-121.685681 °	-121.685681 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:33390 DS_ID:16849 EP_NO: N/A FS_HLM: 3.28 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Old pipe and concrete hauled to county dump. Evidence of the 14-inch pipe is no longer present at site. See new picture. FIELD_STRUCT_DESC: 10-inch irrigation line through the levee. Pipe terminates at standpipe approximately 500 feet south of levee. Mobile pumping plant located in floodway at edge of stream 740 feet south of levee. FS Date: 04/10/2014					

LM Start	3.25	Rating **	U	Issue No.	4
LM End	3.43	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.519831 °	38.520011 °
				-121.686263 °	-121.689552 °
DWR ID	DWR_ST0007_01_s_2013_4				

Action/Comments					
Fence Inspector Comments: No permit for this wire fence waterside levee slope.					

Photo 1 of 1 : FA_2015_ST0007_282_4_20150915_00001.jpg



Wire fence within 10-foot easement waterside levee slope.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	09/30/2015 09/30/2015	Herman Phillips

LM Start	3.33	Rating **	U	Issue No.	33
LM End	3.39	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.519957 °	38.520033 °
				-121.687738 °	-121.688813 °
DWR ID	DWR_ST0007_01_f_2015_33				
Action/Comments					
Fence					
Inspector Comments: This is not a new encroachment.					

Photo 1 of 1 : FA_2015_ST0007_282_33_20151006_00007.jpg



Fence within the 10-foot easement waterside levee toe.

LM Start	3.43	Rating **	M	Issue No.	34
LM End	3.64	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.520012 °	38.519810 °
				-121.689518 °	-121.693492 °
DWR ID	DWR_ST0007_01_f_2015_34				
Action/Comments					
Fence					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	09/30/2015 09/30/2015	Herman Phillips

LM Start	5.56	Rating **	M	Issue No.	47
LM End	5.56	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.518250 °	38.518250 °
				-121.727685 °	-121.727685 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:33367 DS_ID:590 EP_NO: 14140 FS_HLM: 5.674 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Air vent broken off on water side shoulder. Also, no flap gate or other positive closure device on either side of levee. No requirement in permit for applicant to install positive closure device, but it may be necessary if maintenance or upgrade is performed on pipe. FIELD_STRUCT_DESC: 6" PVC pipe through levee 16' FBC. 24" stand pipe with pump on land side. Pipe outfalls at creek with rip-rap. FS Date: 04/10/2014					

LM Start	6.48	Rating **	M	Issue No.	48
LM End	6.48	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.518120 °	38.518120 °
				-121.744570 °	-121.744570 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:33347 DS_ID:506 EP_NO: 10820 FS_HLM: 6.61 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Sign on LS bent over and broken. New signs need to be installed locating pipe that indicate a gas line crossing. The broken or missing signs do not indicate gasoline, only owner info. Owner is Calpine NRG Scott Vickers 707-249-9211. Supervisor will call phone number and ask for new signs to be installed. FIELD_STRUCT_DESC: 4-inch gas pipeline through the levee 2 feet below the crown. (App. No. 10820 - Dow Chemical) FS Date: 04/10/2014					

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	09/30/2015 09/30/2015	Herman Phillips

LM Start	6.63	Rating **	M	Issue No.	5
LM End	6.71	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.517746 °	38.517647 °
				-121.747220 °	-121.748679 °
DWR ID	DWR_ST0007_01_s_ 2012_5				
Action/Comments					
Fence					
Inspector Comments: This fence has been in the area for many years. Levee mile 6.70-6.84 landside within10-foot of easement. No new photo was taken.					

Photo 1 of 1 : FA_2015_ST0007_282_5_20150915_00002.jpg



Fence at levee mile 6.76 to 6.84 landside within 10-foot of landward toe.
Not a new encroachment.

LM Start	6.70	Rating **	M	Issue No.	37
LM End	6.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.517688 °	38.517688 °
				-121.748509 °	-121.748509 °
DWR ID	DWR_ST0007_01_s_ 2014_37				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

LM Start	6.82	Rating **	M	Issue No.	14
LM End	6.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.517704 °	38.517704 °
				-121.750734 °	-121.750734 °
DWR ID	DWR_ST0007_01_s_ 2013_14				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	09/30/2015 09/30/2015	Herman Phillips

LM Start	6.88	Rating **	M	Issue No.	1
LM End	6.93	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.517362 °	38.517355 °
				-121.751778 °	-121.752824 °
DWR ID					
Action/Comments					
Inspector Comments: 2011 - The toe to mid-bank is slumping. Large tree pop-outs have furthered the erosion. Slope is slightly steeper than 1:1. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: PUC_7-2_L]					

No Photos

LM Start	6.88	Rating **	M	Issue No.	17
LM End	6.92	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.517565 °	38.517600 °
				-121.751940 °	-121.752697 °
DWR ID	DWR_ST0007_01_s_2012_17				
Action/Comments					
Fence					

No Photos

LM Start	6.90	Rating **	M	Issue No.	15
LM End	6.96	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.517594 °	38.517709 °
				-121.752335 °	-121.753241 °
DWR ID	DWR_ST0007_01_s_2013_15				
Action/Comments					
Fence					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	09/30/2015 09/30/2015	Herman Phillips

LM Start	7.18	Rating **	M	Issue No.	23
LM End	7.31	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.518197 °	38.518231 °
				-121.757303 °	-121.759822 °
DWR ID	DWR_ST0007_01_s _ 2012_23				
Action/Comments					
Tree or limb Inspector Comments: At this location there are several oak tree saplings planted within the overflow area of the north levee of Putah Creek.					

No Photos

LM Start	7.33	Rating **	M	Issue No.	49
LM End	7.33	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.518440 °	38.518440 °
				-121.760027 °	-121.760027 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:33338					
DS_ID:17762					
EP_NO: N/A					
FS_HLM: 7.51					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: No Permit identified for crossing.					
FIELD_STRUCT_DESC: Fiber Optic line markers on East side of railroad tracks. No permit identified.					
FS Date: 04/10/2014					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	09/30/2015 09/30/2015	Herman Phillips

LM Start	7.34	Rating **	M	Issue No.	52
LM End	7.34	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.518480 °	38.518480 °
				-121.760330 °	-121.760330 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:33337 DS_ID:514 EP_NO: 5858 FS_HLM: 7.527 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: This pipeline needs to be marked as it was installed. There is no indication of location in the field. Indication marker not being present is not a flood hazard. Supervisor will call permittee. FIELD_STRUCT_DESC: 14-inch gas line through the levee 3.0 feet below the crown and under channel. (Permit No. 5858 - S.P. Trans. Co.) FS Date: 04/10/2014					

LM Start	7.35	Rating **	M	Issue No.	53
LM End	7.35	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.518510 °	38.518510 °
				-121.760474 °	-121.760474 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:41353 DS_ID:516 EP_NO: 10260 FS_HLM: 7.535 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe is partially obstructed with sedimentation. Owner of pipe may have to clean sediment FIELD_STRUCT_DESC: 24-inch drainpipe through the levee 12.0 feet below the crown. Flap gate on waterward end. (ABO No. 10260 S.P. Trans. Co.) FS Date: 04/10/2014					

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	09/30/2015 09/30/2015	Herman Phillips

LM Start	7.61	Rating **	M	Issue No.	54
LM End	7.61	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.518970 °	38.518970 °
				-121.765090 °	-121.765090 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:33332 DS_ID:592 EP_NO: 6705 FS_HLM: 7.79 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Found a 4-inch pipe near toe of ramp at LM 7.805 but it could not be determined if this pipe crossed through the levee. No additional info is available for pipe location. Lat and long for this pipe: Lat: 38.51898120 Long: -121.765378980. Attempt to determine if this pipe crosses through levee. FIELD_STRUCT_DESC: 4-inch steel irrigation pipe 1.5 feet below the levee crown. Located approximately 110 feet east of the ramp at Levee mile 7.81. Also mentioned in permit # 5896 as a 3-inch steel pipe. (Permit No. 6705) FS Date: 04/10/2014					

LM Start	8.31	Rating **	C	Issue No.	43
LM End	8.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.521475 °	38.521475 °
				-121.776926 °	-121.776926 °
DWR ID	DWR_ST0007_01_s_2014_43				

No Photos

Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	09/30/2015 09/30/2015	Herman Phillips

LM Start	8.41	Rating **	M	Issue No.	18
LM End	8.41	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.522267 °	38.522267 °
				-121.778525 °	-121.778525 °
DWR ID	DWR_ST0007_01_s_2013_18				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

LM Start	8.52	Rating **	M	Issue No.	30
LM End	8.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.523227 °	38.523227 °
				-121.780175 °	-121.780175 °
DWR ID	DWR_ST0007_01_f_2014_30				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

LM Start	8.69	Rating **	M	Issue No.	55
LM End	8.69	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.523999 °	38.523999 °
				-121.783037 °	-121.783037 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41129 DS_ID:523 EP_NO: 10247 FS_HLM: 8.87 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: *ABANDONED* FIELD_STRUCT_DESC: *ABANDONED* 48-inch drain pipe through the levee 15.0 feet below the crown. Steel plate installed over inlet off LS toe (pipe not grouted). Flap gate on waterward end. Headwall on both ends. (ABO No.10247 U.C.D.) FS Date: 04/10/2014					

Photo 1 of 1 : UCIP_FA_2015_3654.jpg



Steel plate installed over pipe off LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Putah Creek or North Levee	Left	8.79	09/30/2015 09/30/2015	Herman Phillips

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Sacramento Maintenance Yard Putah Creek

Waterway			Bank	Unit Miles
Unit No. 02 Putah Creek or South Levee			Right	7.55
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	04/24/2015 - 04/24/2015		09/30/2015 - 09/30/2015	
DWR Inspector	Herman Phillips		Herman Phillips	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.55	09/30/2015 09/30/2015	Herman Phillips

LM Start	0.02	Rating **	A	Issue No.	16
LM End	0.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.505045 °	38.510265 °
				-121.663118 °	-121.667545 °
DWR ID	DWR_ST0007_02_f_2015_16				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: BURNED AND DRAGGED.					

No Photos

LM Start	0.02	Rating **	A	Issue No.	17
LM End	0.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.505045 °	38.510265 °
				-121.663118 °	-121.667545 °
DWR ID	DWR_ST0007_02_f_2015_17				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Burned and dragged.					

Photo 1 of 1 : FA_2015_ST0007_283_17_20151006_00005.jpg



Putah Creek looking downstream from levee mile 0.00 landside levee slope.

LM Start	0.18	Rating **	U	Issue No.	3
LM End	0.31	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.507155 °	38.509035 °
				-121.682817 °	-121.663488 °
DWR ID	DWR_ST0007_02_s_2012_3				
Action/Comments					
Ditch					
Inspector Comments: This ditch is within the 10-easement					

Photo 1 of 1 : FA_2015_ST0007_283_3_20151006_00006.jpg



Agriculture ditch on the landside within the 10-foot easement.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.55	09/30/2015 09/30/2015	Herman Phillips

LM Start	0.55	Rating **	A	Issue No.	20
LM End	4.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.510265 °	38.515767 °
				-121.667545 °	-121.731162 °
DWR ID	DWR_ST0007_02_f_2015_20				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Mowed landside slope, no vegetation problems.					

No Photos

LM Start	0.55	Rating **	A	Issue No.	19
LM End	7.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.510265 °	38.522742 °
				-121.667545 °	-121.785195 °
DWR ID	DWR_ST0007_02_f_2015_19				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Mowed slope, no vegetation problems.					

No Photos

LM Start	0.55	Rating **	U	Issue No.	29
LM End	0.55	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.510249 °	38.510249 °
				-121.667551 °	-121.667551 °
DWR ID	DWR_ST0007_02_s_2013_29				
Action/Comments					
Fence					
Inspector Comments: No new photo taken; this fence does not have a CVFPB Permit.					

Photo 1 of 1 : FA_2015_ST0007_283_29_20150915_00003.jpg



There is no permit for this fence and gate crossing levee crown roadway.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.55	09/30/2015 09/30/2015	Herman Phillips

LM Start	1.60	Rating **	M	Issue No.	39
LM End	1.60	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.514250 °	38.514250 °
				-121.685980 °	-121.685980 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:33400					
DS_ID:16623					
EP_NO: 9139					
FS_HLM: 1.64					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: There are no appropriate gas markers present on levee to indicate pipe location. Markers need to be installed. No danger to the levee					
FIELD_STRUCT_DESC: 8-inch gas line through the levee 3.0 feet below crown under channel and through Unit No. 1 levee. (Permit No. 9139 - DOW)					
FS Date: 04/10/2014					

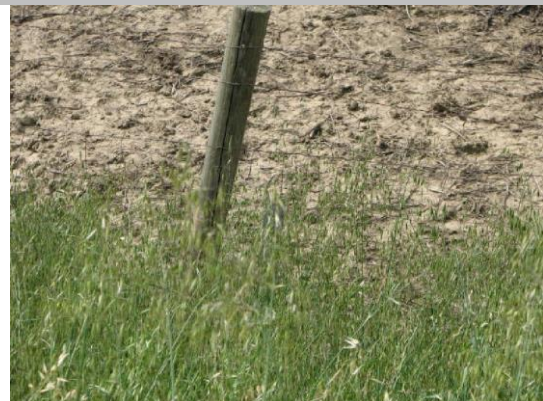
LM Start	1.60	Rating **	M	Issue No.	39 (cont)
LM End	1.60	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_3498.jpg



small flag on WS shoulder

Photo 2 of 3 : UCIP_FA_2015_3499.jpg



steel sign marker at LS toe with no sign

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.55	09/30/2015 09/30/2015	Herman Phillips

LM Start	1.60	Rating **	M	Issue No.	39 (cont)
LM End	1.60	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.514250 °	38.514250 °
				-121.685980 °	-121.685980 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:33400					
DS_ID:16623					
EP_NO: 9139					
FS_HLM: 1.64					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					

Photo 3 of 3 : UCIP_FA_2015_3500.jpg



Gas vent 800-feet to south

LM Start	2.00	Rating **	M	Issue No.	9
LM End	2.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.515356 °	38.515369 °
				-121.693168 °	-121.693268 °
DWR ID	DWR_ST0007_02_s_2013_9				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	2.04	Rating **	M	Issue No.	22
LM End	2.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.515348 °	38.515398 °
				-121.694042 °	-121.694590 °
DWR ID	DWR_ST0007_02_s_2012_22				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.55	09/30/2015 09/30/2015	Herman Phillips

LM Start	2.05	Rating **	C	Issue No.	23
LM End	2.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.515350 °	38.515385 °
				-121.694110 °	-121.694558 °
DWR ID	DWR_ST0007_02_s _ 2012_23				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	2.09	Rating **	M	Issue No.	40
LM End	2.09	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.515440 °	38.515440 °
				-121.694920 °	-121.694920 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41072					
DS_ID:16624					
EP_NO: 10268					
FS_HLM: 2.148					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: It is apparent that there is an irrigation pipe sleeved through the 25-inch pipe, but size cannot be determined.					
FIELD_STRUCT_DESC: 24-inch irrigation pipe through the levee 13.0 feet below the crown. Gate valve on landward side in 10-inch concrete standpipe. 36-inch standpipe on WS toe. Headwall on LS toe. (ABO No. 10268 - DOW).					
FS Date: 04/10/2014					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.55	09/30/2015 09/30/2015	Herman Phillips

LM Start	3.18	Rating **	M	Issue No.	41
LM End	3.18	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.515161 °	38.515161 °
				-121.713634 °	-121.713634 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:33392					
DS_ID:16627					
EP_NO: 2273A					
FS_HLM: 3.26					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: WS shoulder air vent looks broken and needs marker					
FIELD_STRUCT_DESC: 1 of 2: 18-inch irrigation pipe through the					
levee 2.0 feet below the crown. Pump on well on landward side. 18-inch					
standpipe on WS toe. Fresno valve on LS toe and air vent on WS					
shoulder. 36-inch standpipe on landward side. (Permit No. 2273-A -					
Schoeningh)					
FS Date: 04/10/2014					

No Photos

LM Start	4.13	Rating **	M	Issue No.	21
LM End	4.70	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.515767 °	38.515817 °
				-121.731162 °	-121.741693 °
DWR ID	DWR_ST0007_02_f_2015_21				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.55	09/30/2015 09/30/2015	Herman Phillips

LM Start	4.17	Rating **	M	Issue No.	42
LM End	4.17	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.515780 °	38.515780 °
				-121.731950 °	-121.731950 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:33377					
DS_ID:16630					
EP_NO: 10820					
FS_HLM: 4.28					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Signs for pipeline need to be updated to state Gas line. Current markers are insufficient.					
FIELD_STRUCT_DESC: 4-inch natural gas pipeline across the channel and levees of Putah Creek approximately 1/2 mile downstream from Davis Road. Installed 2 feet below crown. (Permit No. 10820)					
FS Date: 04/10/2014					

No Photos

LM Start	4.98	Rating **	M	Issue No.	24
LM End	5.03	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.515425 °	38.515345 °
				-121.746920 °	-121.747692 °
DWR ID	DWR_ST0007_02_f_2015_24				
Action/Comments					
Ditch					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.55	09/30/2015 09/30/2015	Herman Phillips

LM Start	5.07	Rating **	M	Issue No.	43
LM End	5.07	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.515332 °	38.515332 °
				-121.748533 °	-121.748533 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41074 DS_ID:16632 EP_NO: 10279 FS_HLM: 5.204 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe and headwalls are completely buried on both sides of levee. 15-inch pipe permitted to sleeve through the 24-inch CMP. Indication that 15-inch pipe is at crossing. FIELD_STRUCT_DESC: 24-inch pipe through the levee 10.0 feet below the crown. Slide gate on waterward end. Concrete headwall on landward end. (ABO No. 10279 - Watkins FS Date: 04/10/2014					

No Photos

LM Start	5.30	Rating **	M	Issue No.	13
LM End	5.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.515377 °	38.515418 °
				-121.752795 °	-121.756028 °
DWR ID	DWR_ST0007_02_f_2012_13				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: There are bait stations placed in the area for the rodents.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.55	09/30/2015 09/30/2015	Herman Phillips

LM Start	5.82	Rating **	M	Issue No.	44
LM End	5.82	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.516140 °	38.516140
				-121.761920 °	-121.761920
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:33361 DS_ID:16637 EP_NO: 5858 FS_HLM: 5.957 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: According to owner this pipe is no longer in use but has not been abandoned to our standards. Need pipe company to mark location. Contacted Mark Jensen with Kinder Morgan and they are working to determine what kind of markers they should use to replace the missing ones (4/12/12). Ken at 916-416-7938 is working issue. FIELD_STRUCT_DESC: 14-inch petroleum gasoline through the levee 3.0 feet below the crown and under channel. (Permit No. 5858 - S.P. Pipelines). FS Date: 04/10/2014					

No Photos

LM Start	5.82	Rating **	M	Issue No.	45
LM End	5.82	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.516171 °	38.516171 °
				-121.762037 °	-121.762037 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:33360					
DS_ID:17763					
EP_NO: N/A					
FS_HLM: 5.962					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: No permit identified for this crossing.					
FIELD_STRUCT_DESC: Fiber optic line markers on East side of railroad tracks. No permit identified for crossing. It appears they may be routed under the wes side of the railroad bridge inside a 6-inch steel conduit.					
FS Date: 04/10/2014					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.55	09/30/2015 09/30/2015	Herman Phillips

LM Start	5.83	Rating **	M	Issue No.	46
LM End	5.83	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.516256 °	38.516256 °
				-121.762204 °	-121.762204 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:33359					
DS_ID:17764					
EP_NO: N/A					
FS_HLM: 5.973					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: No permit identified for crossing.					
FIELD_STRUCT_DESC: Fiber optic line markers on West side of railroad tracks. No permit identified for crossing.					
FS Date: 04/10/2014					

No Photos

LM Start	6.34	Rating **	M	Issue No.	47
LM End	6.34	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.517199 °	38.517199 °
				-121.771262 °	-121.771262 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42959 DS_ID:16642 EP_NO: 10265 FS_HLM: 6.49 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Debris buildup at WS outlet FIELD_STRUCT_DESC: 30-inch pipe through the levee, 17.0 feet below the crown. Headwall and Slide gate on landward end. Flap gate on waterward end 120 feet to the north of crossing. ABO 10265. Also included in Permit No. 11296 FS Date: 04/10/2014					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.55	09/30/2015 09/30/2015	Herman Phillips

LM Start	6.44	Rating **	M	Issue No.	48
LM End	6.44	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.517828 °	38.517828 °
				-121.773010 °	-121.773010 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:33348					
DS_ID:16643					
EP_NO: 7279					
FS_HLM: 6.6					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: There is no handle on the slide gate operation mechanism and there is a large rootball blocking the outlet on WS.					
FIELD_STRUCT_DESC: 48-inch pipe through the levee 26.0 feet below crown. Slide gate in concrete box on waterward slope of levee. Drop inlet and weir inlet at LS toe. Concrete headwall at outlet. Flap gate on waterward end is off. (App. No. 7279 - DOT)					
FS Date: 04/10/2014					

No Photos

LM Start	6.49	Rating **	M	Issue No.	27
LM End	6.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.518222 °	38.518230 °
				-121.773735 °	-121.773838 °
DWR ID	DWR_ST0007_02_f_2015_27				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Young walnut trees on waterside levee slope.					
Need to be removed.					

No Photos

LM Start	6.49	Rating **	M	Issue No.	32
LM End	6.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.518215 °	38.518215 °
				-121.773767 °	-121.773767 °
DWR ID	DWR_ST0007_02_f_2014_32				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.55	09/30/2015 09/30/2015	Herman Phillips

LM Start	6.51	Rating **	M	Issue No.	37
LM End	6.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.518332 °	38.518332
				-121.774049 °	-121.774049
DWR ID	DWR_ST0007_02_s _ 2014_37				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

LM Start	6.52	Rating **	M	Issue No.	11
LM End	6.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.518404 °	38.519938 °
				-121.774158 °	-121.776952 °
DWR ID	DWR_ST0007_02_s _ 2012_11				
Action/Comments					
Material					
Inspector Comments: Conair containers and other storage units on the landside easement.					

No Photos

LM Start	6.59	Rating **	M	Issue No.	28
LM End	6.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.519033 °	38.519538 °
				-121.775313 °	-121.776275 °
DWR ID	DWR_ST0007_02_f _ 2015_28				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.55	09/30/2015 09/30/2015	Herman Phillips

LM Start	6.65	Rating **	M	Issue No.	49
LM End	6.65	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.519470 °	38.519470 °
				-121.776150 °	-121.776150 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:33346 DS_ID:16633 EP_NO: 10276 FS_HLM: 6.811 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe heavily clogged with soil. Will contact owner of pipe and ask to clean for inspection. FIELD_STRUCT_DESC: 24-inch drainpipe through the levee 6.0 feet below the crown. Slide gate on waterward end and headwalls on both ends.(ABO No. 10276 Schlables) FS Date: 04/10/2014					

No Photos

LM Start	6.71	Rating **	M	Issue No.	14
LM End	6.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.519896 °	38.520832 °
				-121.777124 °	-121.778520 °
DWR ID	DWR_ST0007_02_s_2012_14				
Action/Comments					
Elderberries are blocking visibility and flood fight capability. Inspector Comments: The visibility here is partially blocked.					

No Photos

LM Start	6.77	Rating **	M	Issue No.	25
LM End	6.77	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.520456 °	38.520456 °
				-121.777995 °	-121.777995 °
DWR ID	DWR_ST0007_02_s_2013_25				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Sacramento Maintenance Yard Putah Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Putah Creek or South Levee	Right	7.55	09/30/2015 09/30/2015	Herman Phillips

LM Start	6.78	Rating **	U	Issue No.	38
LM End	6.89	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.520602 °	38.521467 °
				-121.778191 °	-121.779795 °
DWR ID	DWR_ST0007_02_s _ 2014_38				
Action/Comments					
Elderberries are blocking visibility and flood fight capability. Inspector Comments: These elderberries at this location need to be trimmed.					

Photo 1 of 1 : FA_2015_ST0007_283_38_20150915_00004.jpg



Looking downstream at elderberry trees blocking the view of the waterward slope and toe. Photo taken 4-15-2014.

LM Start	6.84	Rating **	M	Issue No.	26
LM End	6.85	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.521061 °	38.521149 °
				-121.779060 °	-121.779216 °
DWR ID	DWR_ST0007_02_s _ 2013_26				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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